



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: PTQ-0038

Inventors: Van Eyk and Arrell

Serial No.: 09/942,498

Filing Date: August 30, 2001

Examiner: Ruth A. Davis

Group Art Unit: 1614

Title: Methods and Compositions Relating to
Phosphorylated Myosin Light Chain 1

"Express Mail" Label No. EV361212735US
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By Kathleen A. Tyrrell
Typed Name: Kathleen A. Tyrrell, Reg. No. 38,350

Commissioner for Patents
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Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

(XX) In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified

application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

() In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:

() Certification in Accordance with §1.97(e) is attached hereto; or

() The fee of \$180.00 as set forth in §1.17(p) is attached.

() In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(I)(1).

(XX) Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

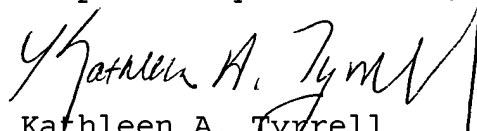
() In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____, filed _____, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

() The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

(XX) All listed references are in the English language.

Respectfully submitted,


Kathleen A. Tyrrell
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Date: January 20, 2004

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FORM PTO-1449
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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
PTQ-0038SERIAL NO.
09/942,498LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Van Eyk, et al.FILING DATE
August 30, 2001GROUP
1651

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
_____ 1	09/115,589		Van Eyk			July 15, 1998
_____ 2	09/419,901		Van Eyk			Oct. 18, 1999
_____ 3	6,248,549	June 19, 2001	Van Eyk			June 22, 1998

FOREIGN PATENT DOCUMENTS

*EXAMINER TRANSLATION INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
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OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

- | | |
|---------|--|
| _____ 1 | Hillis, G.S., Zhao, N., Taggart, P., Dalsey, W.C., Mangione, A. "Utility of cardiac troponin I, creatine kinase-MB _{mass} , myosin light chain 1, and myoglobin in the early in-hospital triage of "high risk" patients with chest pain." <i>Heart</i> 82 (5): 614-20 (1999) |
| _____ 2 | Katus, H.A., Diederich, K.W., Hoberg, E., Kubler, W. "Circulating cardiac myosin light chains in patients with angina at rest: identification of a high risk subgroup" <i>J. Am. Coll. Cardiol.</i> 11 (3): 487-93 (1988) |

Examiner

Date Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

LIST OF PUBLICATIONS CITED BY APPLICANT
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OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

- _____ 3 Mair, J., Wagner, I., Jakob, G., Lechleitner, P., Dienstl, F., Puschendorf, B., Michel, G. "Different time courses of cardiac contractile proteins after acute myocardial infarction" *Clin. Chim. Acta* **231**(1):47-60 (1994)
- _____ 4 Mair, J., Wagner, I., Fridrich, L., Lechleitner, P., Dienstl, F., Puschendorf, B., Michel, G. "Cardiac myosin light chain-1 release in acute myocardial infarction is associated with scintigraphic estimates of myocardial scar" *Clin. Chim. Acta* **229** (1-2): 153-9 (1994)
- _____ 5 Nicol, P.D., Matsueda, G.R., Haber, E., Khaw, B.A. "Synthetic peptide immunogens for the development of a cardiac myosin light chain-1 specific radioimmunoassay" *J. Nucl. Med.* **34** (12): 2144-51 (1993)
- _____ 6 Ravkilde, J., Botker, H.E., Sogaard, P., Selmer, J., Rej, R., Jorgensen, P.J., Horder, M., Thygesen, K. "Human ventricular myosin light chain isotype 1 as a marker of myocardial injury" *Cardiology* **84** (2): 135-44 (1994)
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- _____ 8 Ravkilde, J., Nissen, H., Horder, M., Thygesen, K. "Independent prognostic value of serum creatine kinase isoenzyme MB mass, cardiac troponin T and myosin light chain levels in suspected acute myocardial infarction. Analysis of 28 months of follow-up in 196 patients" *J. Am. Coll Cardiol.* **25** (3): 574-81 (1995)
- _____ 9 Sato, T., Sasaki, N., O'Rourke, B., Marbán, E. "Adenosine primes the opening of mitochondrial ATP-sensitive potassium channels" *Circulation* **102**: 800-805 (2000)
- _____ 10 Sonel, A., Sasseen, B.M., Fineberg, N., Bang, N., Wilensky, R.L. "Prospective study correlating fibrinopeptide A, troponin I, myoglobin, and myosin light chain levels with early and late ischemic events in consecutive patients presenting to the emergency department with chest pain" *Circulation* **102** (10): 1107-13 (2000)

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- _____ 11 Wang, J., Shi, Q., Wu, T.W., Jackowski, G., Mickle, D.A.G. "The quantitation of human ventricular myosin light chain 1 in serum after myocardial necrosis and infarction" *Clin. Chim. Acta* **181** (3): 325-36 (1989)
- _____ 12 Yamada, T., Matsumori, A., Tamaki, S., Sasayama, S. "Myosin light chain I grade: a simple marker for the severity and prognosis of patients with acute myocardial infarction" *Am. Heart J.* **135** (2 Pt 1): 329-34 (1998)

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